



General Note:

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GRAMS : BHARATELEC

FAX NO:

E-mail :

Web :

OFFICE COPY**Collective No.**

9631700216

Enquiry Date

24.11.2017

**Due Date For
Quotation**

15.12.2017

Please quote Enquiry No, Date and due date in all correspondences.
This is only a request for quotation and not an order

Item	Description	Unit	Quantity	Delivery Quantity	Schedule Date
10	SP9113630200 MAIN GEAR BOX (H.DUTY) 100740REE GEAR BOX ASSEMBLY(HEAVY DUTY). General Arrangement Drg No:1-7-1136-09-00740 Internal Arrangement Drg No:2-7-1136-09-01153, but we r equire item no.49&50 with heavy duty design and hence you have to redesign and also put higher size bearing to meet our requirement .And other items can be as per our drawing. Lub Piping Drg No:3-7-1136-09-04644 Motor Speed : 1500RPM Output Speed: 180RPM This gear box service condition is heavy duty and would experience shock load three time per minute,when tube is entering and leaving t he machine.	NO	1.000	1.00	21.02.18

General Note:**Enclosures:****"LD clause has to be confirmed without fail."**

The bidder along with its associate / collaborators / sub-contractors / sub-vendors / consultants /service providers shall strictly adhere to BHEL fraud prevention policy displayed on BHEL website <http://www.bhel.com> and shall immediately bring to the notice of BHEL Management about any fraud or suspected fraud as soon as it comes to their notice.

PR Links

Material.	PR.No	PR.Item.	Quantity	Acc. Assign	Customer Number
SP9113630200	120319787	00010	1.000	/000000	

list of suppliers**RFQ-5200006593****Open Tender Dummy Code**

The offers should reach us 30 minutes before the time of opening of tenders.
The offers will be opened at 14.30 hrs on the due date of tender in the presence of tenderers who have submitted their offer and who may like to be present for the tender opening.Late and delayed offers are liable to be rejected.

Yours faithfully,
For **BHARAT HEAVY ELECTRICALS LIMITED**

MANAGER / PURCHASE
(SSTP)



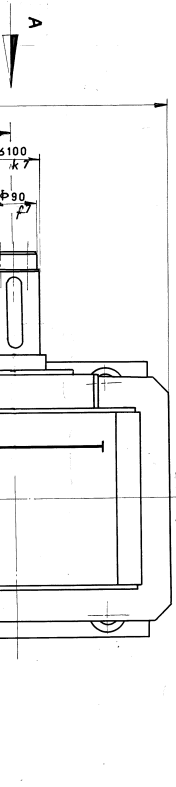
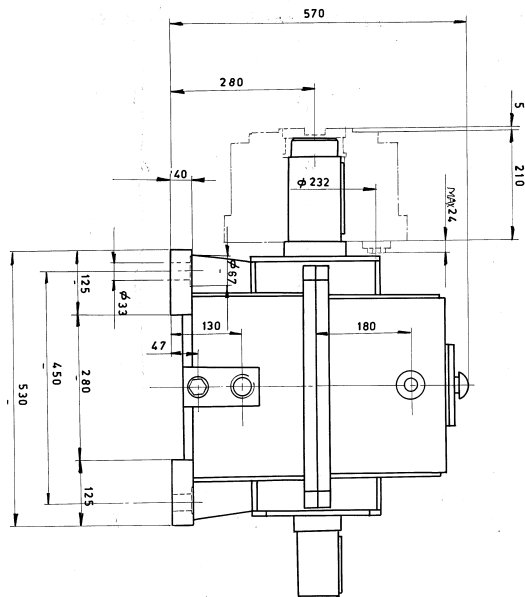
9631700216 / 24.11.2017

23505

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For **BHARAT HEAVY ELECTRICALS LIMITED**

MANAGER / PURCHASE
(SSTP)

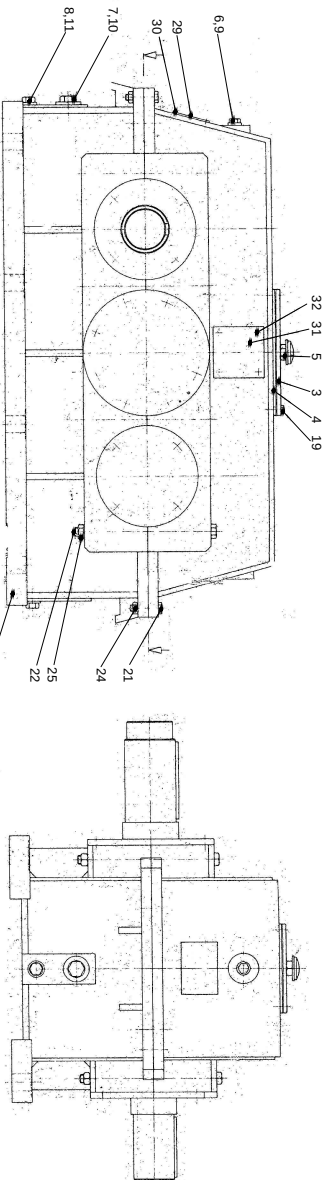


POWER AT END OF RANGE LIMIT = 300 KW

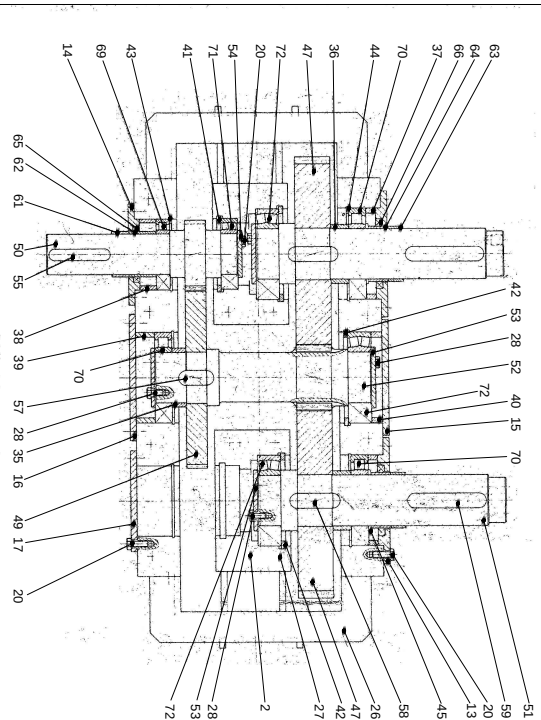
HEAT TO BE DISSIPATED 3000 Kcal/Hour

FOR LUB PIPING REF.

[illegible]



SPECIFICATION:
DRIVE POWER P = 160 KW
DRIVER SPEED n_1 = 1500 rpm
DRIVEN SPEED n_2 = 180 rpm
RATIO i = 8.33 : 1



NOTE:

FOR MOUNTING DIMN REF.
DRG NO 1-7-1136-09-0740
FOR LUB PIPING REF
DRG NO 3-7-1136-09-04644

86	PIPE	18 X 1.5 - 820	1	1
85	STRAIGHT FITTING		2	2
84	HEX HEAD SCREW	ISO 4014 - M6 - 8	5	5
83	PIPE	8 X 1 - 300	2	2
82	PIPE	8 X 1 - 450	2	2
81	PPE CLAMP		5	5
80	PIPE	8 X 1 - 430	1	1
72	SPHERICAL ROLLER BEARING	22220 HL MB FAG	4	4.85

71	SPHERICAL ROLLER BEARING	22216 HL MB FAG 1	2.05	54	END DISC	4-7-1136-09-05210	Fe 410W IS 2062	1	0.4
70	CYLINDRICAL ROLLER BEARING	NU 220	3.40	53	END DISC			4	
69	CYLINDRICAL ROLLER BEARING	NU 216	1.5	52	PINION SHAFT - II	3-7-1136-09-03426	16Mn SCr4 IS 4432	1	29
66	SHAFT SEAL RING	110 X 140 X 13 B2		51	SHAFT - III	3-7-1136-09-01574	16Mn SCr4 IS 5517	2	31
65	SHAFT SEAL RING	90 X 110 X 13 B2		50	PINION SHAFT - I	3-7-1136-09-03427	16Mn SCr4 IS 4432	1	19.7
64	INA - RING	IP 100 X 110 X 40		49	SPUR GEAR	4-7-1136-09-02388	16Mn SCr4 IS 4432	1	31.1
63	INA - RING	IP 100 X 110 X 30		47	SPUR GEAR	4-7-1136-09-02384	16Mn SCr4 IS 4432	2	39.6
62	INA - INTERNAL RING	4-7-1136-09-05122	0.55	45	SUPPORTING DISC	IS 100 X 120 X 3.5		2	
61	INA - INTERNAL RING	4-7-1136-09-05121	0.355	44	LOCK RING	IS 3075		3	
59	FITTING KEY	A 28 X 16 X155		43	LOCK RING	IS 3075		1	
58	FITTING KEY	B 28 X 16 X 70							
57	FITTING KEY	B 28 X 16 X 45							
55	FITTING KEY	A 22 X 14 X120							

CAUTION: THE INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LIMITED.IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY.

42	SETTING RING			3
41	SETTING RING			1
40	SPACER RING			1
39	SPACER RING	4-7-1136-09-05119	45Cr IS 1875	1
38	SPACER RING			1
37	SPACER RING			2
36	SPACER RING			2
35	SPACER RING			1
32	NOTCHED PLATE	3 X 8		4
31	NAME PLATE			1
30	NOTCHED NAIL	3 X 8		4
29	RATING PLATE	108 X 74 X 1	LSN 613 8001	1
28	HEX HEAD SCREW	ISO 4014 - M12 X 25 - 8.8	IS 1364	20
27	TAPER PIN	10 X 60	IS 6688	4
26	TAPER PIN	10 X 40	IS 6688	2
25	HEX NUT	ISO 4014 - M16 - 8	IS 1364	8
24	HEX NUT	ISO 4014 - M12 - 8	IS 1364	10
23	HEX HEAD SCREW	ISO 4014 - M16 X 160 - 8.8	IS 1364	8
22	HEX HEAD SCREW	ISO 4014 - M16 X 270 - 8.8	IS 1364	8
21	HEX HEAD SCREW	ISO 4014 - M12 X 55 - 8.8	IS 1364	10
20	HEX HEAD SCREW	ISO 4014 - M12 X 35 - 8.8	IS 1364	40
19	ISO 4014 - M18 X 25 - 8.8		IS 1364	6
17	END COVER			1
16	END COVER			1
15	END COVER			1
14	SEAL COVER	3-7-1136-09-03821	30Cr IS1875	1
13	SEAL COVER	3-7-1136-09-03297	30Cr IS1875	4.2
11	SEAL RING - FORM A		DIN 7603-Cu	2
10	SEAL RING - FORM A		DIN 7603-Cu	2
09	SEAL RING - FORM A		DIN 7603-Cu	2
08	PLUG SCREW		DIN 910-5.8	2
07	PLUG SCREW		DIN 910-5.8	2
06	PLUG SCREW		DIN 910-5.8	2
05	AIR VENT		LS-N 625 12	1
04	GASKET			1
03	INSPECTION COVER			1
02	BEARING SUPPORT			2
01	CASING			1

ITEM	DESCRIPTION	DRAWING NO	MATL CODE	UNIT	WT	QTY
01	CASING					
02	BEARING SUPPORT					
03	INSPECTION COVER					
04	GASKET					
05	AIR VENT					
06	PLUG SCREW					
07	PLUG SCREW					
08	PLUG SCREW					
09	SEAL RING - FORM A					
10	SEAL RING - FORM A					
11	SEAL COVER					
13	SEAL COVER					
14	SEAL COVER					
15	END COVER					
16	END COVER					
17	END COVER					
19	ISO 4014 - M18 X 25 - 8.8					
20	HEX HEAD SCREW					
21	HEX HEAD SCREW					
22	HEX HEAD SCREW					
23	HEX HEAD SCREW					
24	HEX NUT					
25	HEX NUT					
26	TAPER PIN					
27	TAPER PIN					
28	HEX HEAD SCREW					
29	RATING PLATE					
30	NOTCHED NAIL					
31	NAME PLATE					
32	NOTCHED PLATE					
35	SPACER RING					
36	SPACER RING					
37	SPACER RING					
38	SPACER RING					
39	SPACER RING					
40	SPACER RING					
41	SETTING RING					
42	SETTING RING					

Bharat Heavy Electricals Ltd	
SEAMLESS STEEL TUBE PLANT	
TIRUCHIRAPALLI - 620014	
DATE	27.02.04
CHK	S.S.SUNDARAM
APPD	S.S.SUNDARAM
DATE	28.02.04

REPT	SSP	GRADE OF UNITS, DIM	SCALE	WEIGHT (KGS)	REF TO QTD DIMS NO	3/28/11/517/0
456		ϕ N/F		800		

TITLE	DRAWING NO :	REV
REE - GEAR BOX ASSEMBLY	2-7-1136-09-01153	01

